

2 of 6 Docket No: MS1-1537US Inventor(s): Alkove et al. lee@hayes Title: RTP Playload Format Data A & B 204 AND 206 Alternative B RTP Packet 212 Data B ASF Packet B 210 Video 206 Header RTP PF Payload Header ASF Header RTPASF Header Video Data 202 ASF STREAMING VIDEO DATA 200 Sample DATA 222 Video 270 250 ASF Packet A 208 Video Data A 204 Data B Video 206 Payload Header ASF Header RTP PF Header ASF Video Data A 204 Alternative A RTP Packet Fig. 2 212 Header RTP PF RTP Header

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Fig.3a RTP Header $\begin{array}{c} 0 \\ 0 \\ 1 \\ 234 \\ 567 \\ 89 \\ 012 \\ 345 \\ 6789 \\ 01 \\ 2345 \\ 6789 \\ 01 \\ \end{array}$ **┾**╹┽╹┽╹┽╹┽╹┽╹┽╹┽╹┽╹┽╹┽╹┽╹┼╹┽╹┽╹┽╹┽╹┼╹┽╹ **├**╹╇╹╇╹╇╹╇╹┼╹┼╹╇╹╇╹╇╹╇╹ Sequence Number Synchronization Source (SSRC) Identifier Contributing Source (CSRC) Identifiers **Timestamp**

Payload Format (PF) Header RTP

Relative Timestamp

Length/Offset

8

3456

2

3456789012345678901

Duration

P.E.

P.E. Data Length

P.E. Data (Continued, If Required)

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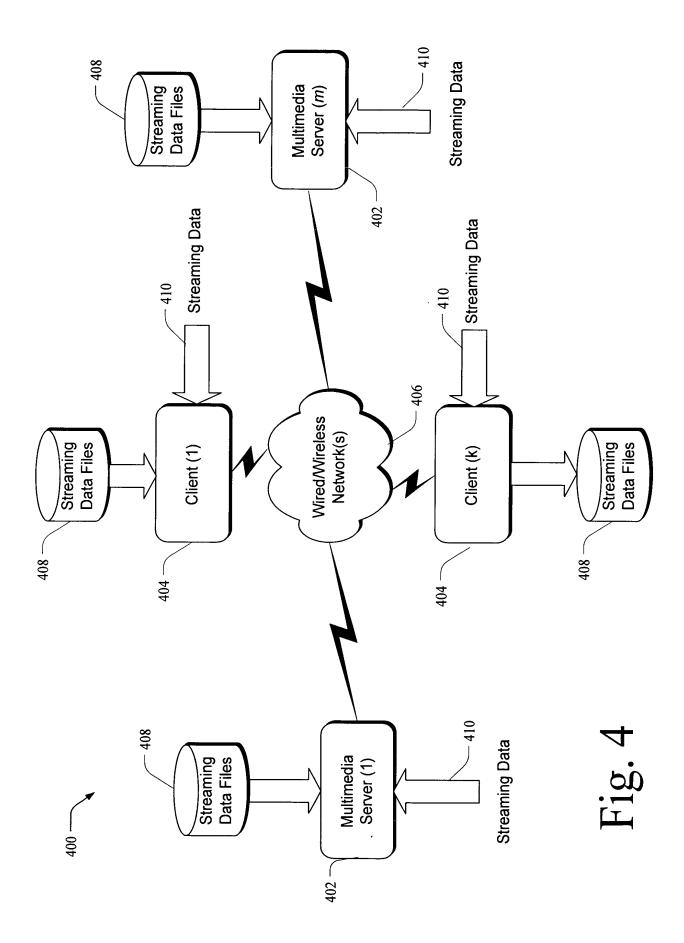
Decompression Timestamp

Fig. 3b

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5 of 6 Inventor(s): Alkove et al. lee@hayes Title: RTP Payload Format AV Streaming Input Device - 500 502 Data <u>530</u> ASF Audio Samples, ASF Video Samples Packetize Combined and Fragmented Opt. WM DRM Encrypt of ASF Packets; Combine Small Like-Kind ASF Samples; ASF Header; ASF Payload Header; Audio Sample Payload Packet and Samples At Identified Boundaries; Encode Audio and Video Data Into ASF Packets That Each Include: Store ASF Format Data Stream Separate ASF Audio and Video Fragment Large ASF Samples; Video Sample Payload Packet Audio/Video Data Stream RTP PF Header For Each: Encode RTP Header and Audio-Video Payload Receive Request For Transmit RTP Format Data Stream SERVER/CLIENT 402/404 506 504~ 516 518~ Request A/V Data Stream RTP Format Data Stream Reduest Service With 510 520 508 522 528 524 526 530 Initiate Request For AVV Data Samples and Video Samples At Respective Sample Boundaries RTP & RTP PF Header For Each Audio Payload Packet and Render AVV Sample Using RTP Decoder Decodes: Receive RTP Format Video Payload Packet P.E. in RTP PF Header Reconstruction of Audio Reconstructed Samples Optional Decryption of Defragmentation and Data Stream Stream CLIENT 404

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